CRANE, 25-TON



SYSTEM IDENTIFIERS						
NOMENCLATURE:	Crane, Truck Mounted, 25 Ton					
SSN:						
LIN:	F43429					
NSN:	3810-00-018-2021					
AMIM NO:						
EIC:	EKD					
FUEL TYPE:	DIESEL					

SYSTEM DESCRIPTION

The Grove 300-5 25 ton crane is a commercial truck-mounted crane. It consists of a hydraulically operated telescopic crane with a full 360 degree traverse mounted on an eight-wheeled carrier. The operator controls the crane from an electronic control panel in the superstructure cab. Four outriggers are used to stabilize the crane in operation. The crane is used by engineer units for construction and repair. It can also be used for pile-driving and clamshell operations. It is powered by a ZGM 6-71N diesel engine, generating 203 horse power.

There are no separately authorized components identified with this weapon/materiel system.

CRANE, 25 TON

LIN NSN NOMENCLATURE

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

CRANE, 25 Ton FY 94 TOTAL ARMY COST SUMMARY (FY 94 Constant Dollars)

183

DENSITY

NUMBER OF SYSTEMS

DEPOT END ITEM MAINTENANCE (5.061)

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/END ITEM \$0.00

CLASS III-POL (5.05)

NOT AVAILABLE

DEPOT SECONDARY ITEM MAINTENANCE

TOTAL \$0
QUANTITY COMPLETED 0
AVG COST/SECONDARY ITEM \$0.00

CLASS V-AMMUNITION (2.11)

NOT APPLICABLE

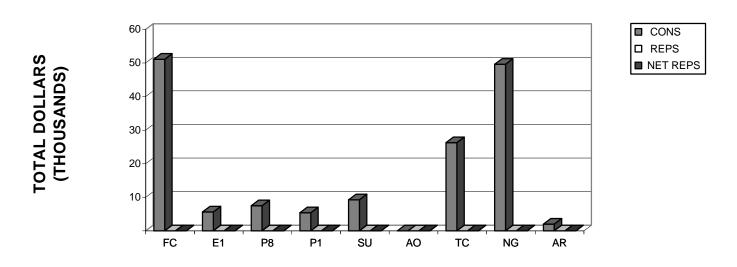
INTERMEDIATE M	AINTENANCE	
	DS/GS	CIVILIAN
MIL/CIV LABOR COST	\$22,241	\$8,836
AVG COST/SYSTEM	\$121.54	\$48.28
MAINTENANCE MANHOURS	1,339	442
MMHs/SYSTEM	7.32	2.42

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94	AVG COST
	<u>DOLLARS</u>	PER SYSTEM
CONSUMABLES	\$156,790	\$856.78
NET REPARABLES	\$0	\$0.00
NET TOTAL COSTS	\$156,790	\$856.78

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

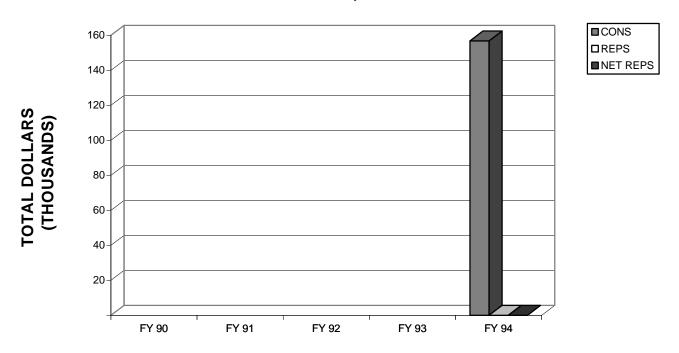
CRANE, 25 Ton



			CRANI	E, 25 Ton							
	FY 94 MACOM CLASS IX COSTS										
	MACOM			NET	NET TOTAL	NUMBER OF	AVG PER				
CODE	NAME	CONS	REPS	REPS	COSTS	SYSTEMS	SYSTEM				
FC	FORSCOM	51,096	0	0	51,096	24	2,129				
E1	USAREUR	5,639	0	0	5,639	7	806				
P8	EUSA	7,481	0	0	7,481	3	2,494				
P1	USARPAC	5,397	0	0	5,397	16	337				
SU	USARSO	9,284	0	0	9,284	6	1,547				
AO	USASOC	0	0	0	0	0	0				
TC	TRADOC	26,269	0	0	26,269	10	2,627				
NG	ARNG	49,615	0	0	49,615	24	2,067				
AR	USAR	2,009	0	0	2,009	93	22				
TA	TOTAL ARMY	156,790	0	0	156,790	183	857				

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that





	CRANE, 25 Ton FIVE YEAR TOTAL ARMY CLASS IX COSTS										
FISCAL			NET	NET	NUMBER OF	AVG PER					
YEAR	CONS	REPS	REPS	TOTAL COSTS	SYSTEMS	SYSTEM					
FY 90											
FY 91											
FY 92											
FY 93											
FY 94	156,790	0	0	156,790	183	857					

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

	CRANE, 25 Ton FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS								
				NET	NET	NUM OF	AVG PER		
WBS	NAME	CONS	REPS	REPS	TOTAL COSTS	SYSTEMS	SYSTEM		
01	HULL/FRAME	34,534	0	0	34,534	183	189		
02	SUSPENSION/STEER	4,168	0	0	4,168	183	23		
03	POWER PACKAGE	97,188	0	0	97,188	183	531		
04	AUX AUTOMOTIVE	4,102	0	0	4,102	183	22		
05	TURRET ASSEMBLY	0	0	0	0	0	0		
06	FIRE CONTROL	0	0	0	0	0	0		
07	ARMAMENT	0	0	0	0	0	0		
80	BODY/CAB	0	0	0	0	0	0		
09	AUTO LOADING	0	0	0	0	0	0		
10	AUTO/REMOTE PILOT	0	0	0	0	0	0		
11	NBC EQUIPMENT	0	0	0	0	0	0		
12	SPECIAL EQUIPMENT	4,384	0	0	4,384	183	24		
13	NAVIGATION	0	0	0	0	0	0		
14	COMMUNICATIONS	0	0	0	0	0	0		
15	VEH APP SOFTWARE	0	0	0	0	0	0		
16	VEH SYS SOFTWARE	0	0	0	0	0	0		
17	INT, ASSY, TEST, C/O	0	0	0	0	0	0		
18	OTHER	12,414	0	0	12,414	183	68		
	TOTAL	156,790	0	0	156,790	183	857		

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

	CRANE, 25 Ton FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS								
		FY 90	FY 91	FY 92	FY 93	FY 94			
		NET TOTAL							
WBS	NAME	COSTS	COSTS	COSTS	COSTS	COSTS			
01	HULL/FRAME					34,534			
02	SUSPENSION/STEER					4,168			
03	POWER PACK					97,188			
04	AUX AUTOMOTIVE					4,102			
05	TURRET ASSEMBLY					0			
06	FIRE CONTROL					0			
07	ARMAMENT					0			
80	BODY/CAB					0			
09	AUTO LOADING					0			
10	AUTO/REMOTE PILOT					0			
11	NBC EQUIPMENT					0			
12	SPECIAL EQUIPMENT					4,384			
13	NAVIGATION					0			
14	COMMUNICATIONS					0			
15	VEH APP SOFTWARE					0			
16	VEH SYS SOFTWARE					0			
17	INT, ASSY, TEST, C/O					0			
18	OTHER					12,414			
	TOTAL					156,790			
	NUM OF SYSTEMS					183			
	AVG PER SYSTEM					857			

CRANE, 25 Ton TOP 40 COST DRIVERS CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	2815003159718	ENGINE DIESEL	03A	F		K21IF	22,163.00	2.00
2.	3040012275448	CYLINDER ASSEMBLY,A	03K	F		J2100	5,664.76	2.00
3.	2520001429250	TRANSMISSION,MECHAN	03H	F		J2100	3,229.10	2.00
4.	2520001429149	TRANSMISSION,MECHAN	03H	F		J2100	5,343.33	1.00
5.	4810011859404	VALVE,SOLENOID	01A	Z		J2200	1,046.49	5.00
6.	2510012201183	DOOR,VEHICULAR	01A	Z		J2200	2,421.34	2.00
7.	2520004357527	COVER ASSEMBLY,CLUT	03J	Z		J2200	684.36	7.00
8.	4010010465241	ROPE,WIRE	18	Z		J2200	0.94	4,412.75
9.	5330010784971	SEAL,KIT	01A	Z		T2200	93.57	40.00
10.	2610002628653	TIRE PNEUMATIC TRUCK	02A	F		K21PP	137.00	22.60
11.	2520012158130	PROPELLER SHAFT	03K	Z		J2200	901.67	3.00
12.	2530001909437	CHAMBER,AIR BRAKE	03Q	Z		J2200	246.48	10.00
13.	5330009571527	SEALXPLAIN ENCASED	01A	Z		T2200	10.73	210.93
14.	3815012812491	TAGLINE, CRANE AND C	12E	Z		J2200	2,230.58	1.00
15.	2940008421878	FILTER ELEMENT,INTA	03A	Z		J2200	68.46	30.00
16.	4820012159903	VALVE,LINEAR,DIRECT	01A	Z		J2200	530.43	3.00
17.	2540012001025	MOTOR, WINDSHIELD WI	01H	Z		J2200	481.18	3.00
18.	2920011293044	STARTER,ENGINE,ELEC	03A	F		J2100	262.28	5.02
19.	3810013192781	FLOAT,OUTRIGGER,CRA	01A	Z		J2200	1,300.47	1.00
20.	2530012440291	WHEEL,PNEUMATIC TIR	02A	Z		J2200	535.63	2.00
21.	6140012101964	BATTERY,STORAGE	18	F		K21PU	57.22	17.61
22.	4310002154488	COMPRESSOR, RECIPROC	18	Z		J2200	1,004.67	1.00
23.	3810012291556	CONTROL BOX	12E	Z		J2200	191.13	5.00
24.	5330013085803	SEAL,PLAIN ENCASED	01A	Z		T2200	40.39	21.00
25.	4720012000821	HOSE,NONMETALLIC	01A	Z		J2200	136.41	6.00
26.	2530010826575	TIE ROD,STEERING	03Q	Z		J2200	183.04	4.44
27.	2920009139519	ARMATURE,MOTOR	03A	Z		J2200	89.99	9.00
	2590011699716	CLAMP,BRACKET,BATTE	01H	Z		J2200	114.48	7.00
29.	2540007844218	HEATER, VEHICULAR, CO	01H	Z		J2200	264.31	3.00
30.	4730003414232	CLAMP,HOSE	01A	Z		J2200	0.22	3,600.64
31.	6150011876530	WIRING HARNESS	04A	Z		J2200	389.74	2.00
_	3030012734416	BELT,V	03H	Z		J2200	42.44	18.00
33.	2920000190463	REGULATOR,ALTERNATO	03A	Z		J2200	35.07	20.28
34.	3040012531998	PARTS KIT,LINEAR AC	03K	Z		J2200	176.15	4.00
35.	2920006909139	DRIVE,ENGINE,ELECTR	03A	Z		J2200	58.16	12.08
36.	1005007915420	CASE,BARREL,MACHINE	18	Z		J2200	28.68	24.02
37.	3810005865849	SEAL KIT,CYLINDER	12E	Z		J2200	80.75	8.00
	2815007891006	CYLINDER HEAD	03A	Н		K21MC	537.00	1.18
	3040013190803	LEVER,MANUAL CONTRO	03K	Z		J2200	631.32	1.00
40.	2540012232859	LATCH, DOOR, VEHICULAR	01H	Z		J2200	305.33	2.00

NUMBER OF SYSTEMS 183

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

CRANE, 25 Ton CONSUMABLES (NON-DLRs)

					FY 90-94
	AVERAGE COS	<u> </u>	AVERAGE QUANTITY	FIVE	YEAR AVERAGE
EXTENDED COST	PER		PER		
(QTY * UNIT PRICE)	SYSTEM		100 SYSTEMS	QTY	EXTENDED COST
44 226	242.22		1 0020		
44,326	242.22		1.0929		
11,330	61.91		1.0929		
6,458	35.29		1.0929		
5,343	29.20		0.5464		
5,232	28.59		2.7322		
4,842	26.46		1.0929		
4,789	26.17		3.8251		
4,149	22.67		2,411.3388		
3,743	20.45		21.8579		
3,097	16.92		12.3497		
2,705	14.78		1.6393		
2,464	13.46		5.4645		
2,263	12.37		115.2623		
2,231	12.19		0.5464		
2,053	11.22		16.3934		
1,591	8.69		1.6393		
1,444	7.89		1.6393		
1,317	7.20		2.7432		
1,300	7.10		0.5464		
1,071	5.85		1.0929		
1,007	5.50		9.6230		
1,005	5.49		0.5464		
956	5.22		2.7322		
848	4.63		11.4754		
818	4.47		3.2787		
813	4.44		2.4262		
810	4.43		4.9180		
801	4.38		3.8251		
793	4.33		1.6393		
792	4.33		1,967.5628		
779	4.26		1.0929		
764	4.17		9.8361		
711	3.89		11.0820		
704	3.85		2.1858		
702	3.84		6.6011		
688	3.76		13.1257		
647	3.54		4.3716		
			0.6448		
633	3.46 3.45		0.6448		
631					
611	3.34		1.0929		
127,261	81.2%	TOP 40			
29,529	18.8%	OTHERS			
=========					
156,790					

CRANE, 25 Ton COST DRIVERS CLASS IX REPARABLES (DLRs)

						FY 94 AMDF	UNIT PRICE	FY 94
NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	W/O CREDIT	W/CREDIT	QTY

NO DATA

CRANE, 25 Ton REPARABLES (DLRs)

	AVERAGE COST			FY 90-94
EXTENDED COST	(W/CREDIT)	AVERAGE QUANTITY	FIVE Y	EAR AVERAGE
(W/CREDIT)	PER	PER		EXTENDED COST
(QTY * UNIT PRICE)	SYSTEM	100 SYSTEMS	QTY	(W/CREDIT)

NO DATA

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

CRANE, 25 Ton FY 94 DEPOT MAINTENANCE COSTS												
COST		END I	TEM			SECONDARY	/ ITEM					
ELEMENTS		MAINTEN	NANCE			MAINTENA	NCE					
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER					
CIVILIAN LABOR	0	0	0	0	0	0		0				
MILITARY LABOR	0	0	0	0	0	0		0				
MATERIEL	0	0	0	0	0	0		0				
TRANSPORTATION	0	0	0	0								
OVERHEAD	0	0	0	0	0	0		0				
CONTRACT	0	0	0	0	0	0		0				
OTHER	0	0	0	0	0	0		0				
TOTAL	0	0	0	0	0	0	_	0				
QTY COMPLETED	0	0	0	0	0	0		0				
AVG COST	0	0	0	0	0	0		0				

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate (\$16.61). CIVILIAN LABOR COSTS are a summation from the source data.

CRANE, 25 Ton FY 94 INTERMEDIATE MAINTENANCE COSTS								
	DS/GS LABOR	DS/GS	CIVILIAN	CIVILIAN	CIVILIAN LABOR			
MACOM	HOURS	LABOR COSTS	LABOR HOURS*	LABOR COSTS [*]	COST/HOUR			
FORSCOM	141	2,342	429	8,449	19.69			
USAREUR	61	1,013						
EUSA	6	100						
USARPAC	176	2,923						
USARSO	0	0						
USASOC	0	0						
TRADOC	0	0	13	387	29.77			
ARNG	943	15,663						
USAR	12	199						
TOTAL ARMY	1,339	22,241	442	8,836	19.99			

^{*}TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

CRANE, 25 Ton FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS		M	END ITEM AINTENAN			SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					0					0
MILITARY LABOR					0					0
MATERIEL					0					0
TRANSPORTATION					0					
OVERHEAD					0					0
CONTRACT					0					0
OTHER					0					0
TOTAL					0					0
QTY COMPLETED					0					0
AVG COST					0					0

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

CRANE, 25 Ton FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
		DIRECT/0	GENERAL S	SUPPORT				CIVILIAN		
	INT	ERMEDIAT	E MAINTEN	IANCE (DS	/GS)		MAIN	NTENANCE	(CIV)	
MACOM	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					2,342					8,449
USAREUR					1,013					
EUSA					100					
USARPAC					2,923					
USARSO					0					
USASOC					0					
TRADOC					0					387
ARNG					15,663					
USAR					199					
TOTAL ARMY					22,241					8,836
LABOR HRS					1,339					442
COST PER HR					16.61					19.99

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

CRANE, 25 Ton FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS								
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL			
	N	O DATA AVAI	LABLE					

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

CRANE, 25 Ton FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS							
		FY 94 AMDF	FY 94 TOTAL COST	FY 94 QTY	AVG COST		
NSN	NOMENCLATURE	PRICE	TO REPAIR	COMPLETED	TO REPAIR		
	N	O DATA AVAI	LABLE				

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90-94 QTY COMPLETED.

CRANE, 25 Ton FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS								
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL			
	N	O DATA AVAI	LABLE					

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

CRANE, 25 Ton FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS							
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR		
	N	O DATA AVAI	LABLE				

CHOOSE A VOLUME FOR MORE SYSTEMS



THIS PAGE INTENTIONALLY LEFT BLANK